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# THE UNITED STATES OF AMERICA

**TO ALL TO WHOM THESE PRESENTS SHALL COME:**

**UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office**

May 28, 2004

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OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT  
APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A  
FILING DATE.**

**APPLICATION NUMBER: 60/458,490**

**FILING DATE: March 28, 2003**

**RELATED PCT APPLICATION NUMBER: PCT/US04/09610**



**By Authority of the  
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*H. L. Jackson*  
**H. L. JACKSON**  
Certifying Officer

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3-31 608458490.032803 prov

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PROVISIONAL APPLICATION COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION under 37 CFR 1.53(c).

DOCKET NUMBER: B01075.70041  
Express Mail Label No. EV 208 517 811 US  
Date of Deposit: March 28, 2003

1d979 U.S. PTO  
60/458490

03/28/03

INVENTOR(S)/APPLICANT(S)

LAST NAME	FIRST NAME	MIDDLE INITIAL	RESIDENCE (CITY AND EITHER STATE OR FOREIGN COUNTRY)
Stevens-Wright	Debbie		North Andover, MA

☐ Additional inventors are being named on the separately numbered sheets attached hereto.

TITLE OF THE INVENTION (280 characters max)

ELECTROPHYSIOLOGY CATHETER ALLOWING ADJUSTMENT BETWEEN ELECTRODE AND TISSUE GAP

CORRESPONDENCE ADDRESS

CUSTOMER NUMBER:

23628

ENCLOSED APPLICATION PARTS (check all that apply)

☒ Specification - Number of Pages = 2

☐ Drawing(s) - Number of Sheets

☐ Application Data Sheet, See 37 CFR 1.76

☒ Return receipt postcard

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.

☒ No

☐ Yes, the name of the U.S., Government Agency and the Government Contract Number are:

☐ Other:

METHOD OF PAYMENT (check all that apply)

☒ A check is enclosed to cover the Provisional Filing Fees.

☐ The Commissioner is hereby authorized to charge any additional fees or credit overpayment to Deposit Account 23/2825. A duplicate of this sheet is enclosed.

☐ Small Entity Status is claimed.

PROVISIONAL FILING FEE AMOUNT \$ 160.00

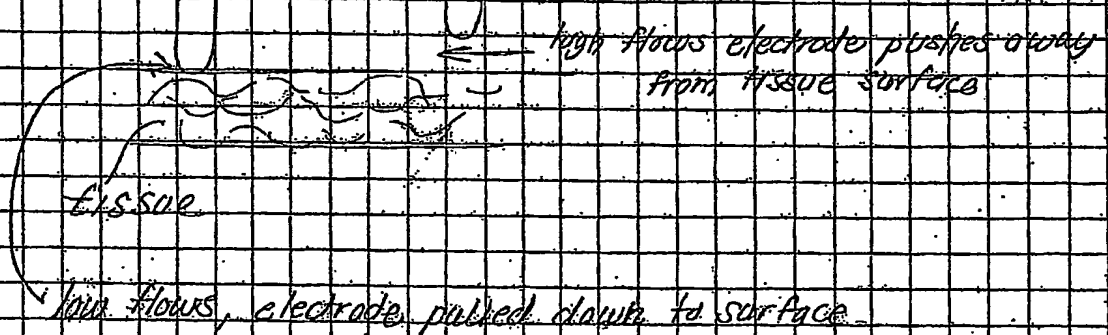
Respectfully submitted,

March 28, 2003  
Date

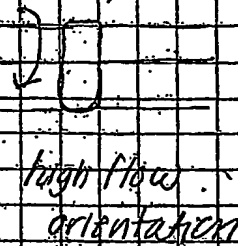
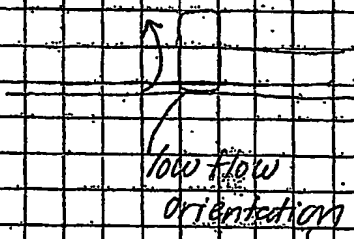
James H. Morris, Reg. No. 34,681  
Telephone No.: 617-720-3500

TITLE *Electrode adjustment of*  
From Page No. *1*

An analysis of a suspended guppy design showed that moving the electrode onto the fluid field improved lesion depth at lower flow rates but at higher flow rates this positioning did not improve lesion depth. It is difficult to make lesions at higher flows; there are no higher flows. It is possible to have an advantage to have a capacitor with an electrode mechanism that allowed the gap between the electrode and tissue to be increased in high flow situations.



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To Page No. *2*

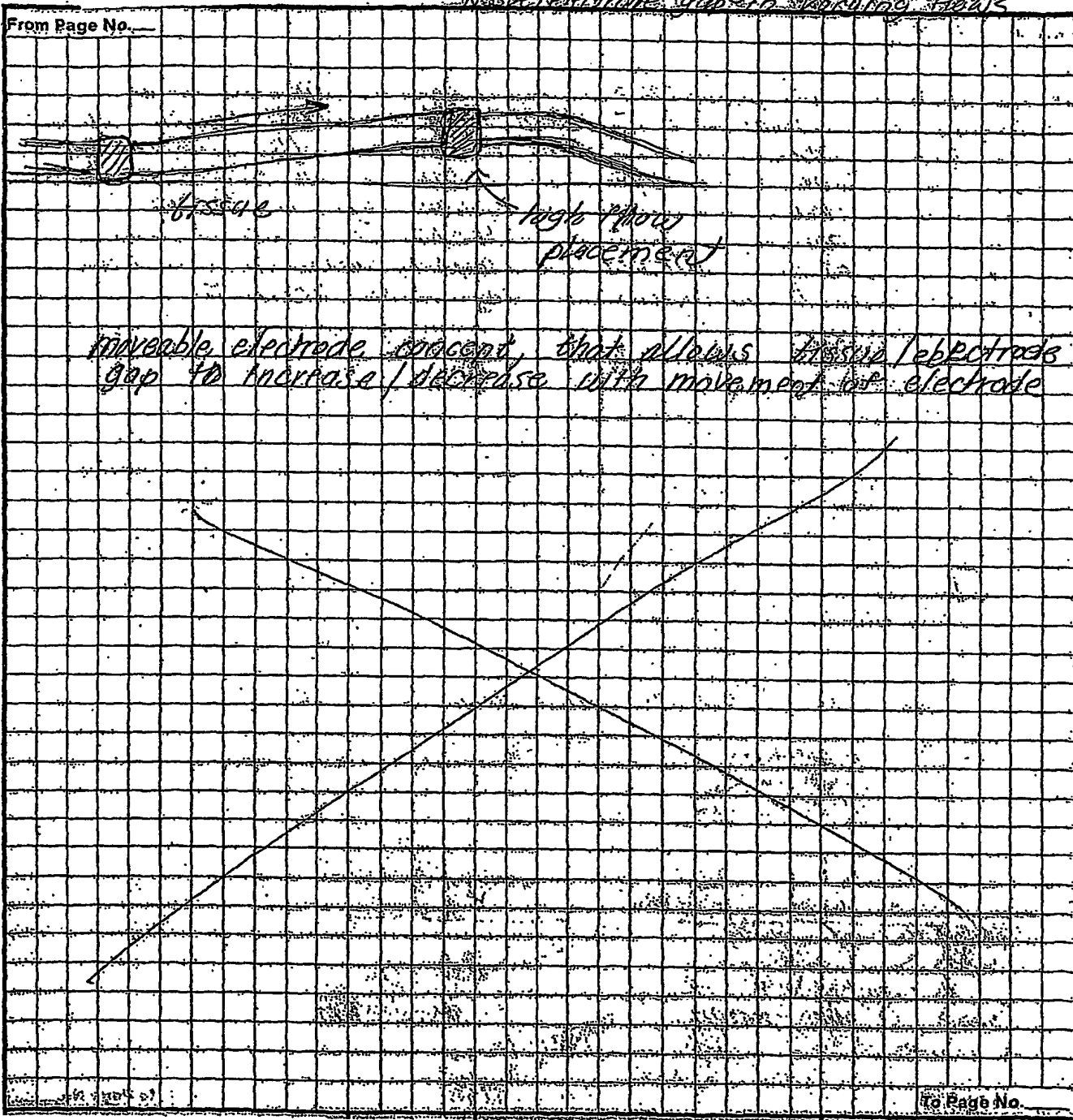
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TITLE *Catheter rotating adjustment of  
movable electrode gap in securing flaps*

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